## **SOIL BORING LOG**

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| Division of Highways ILLINOIS DEPARTMENT OF TRAN                      |                |             |              |         |  |          |             | Date                |          | 1/00         |
|---|----------------|-------------|--------------|---------|--|----------|-------------|---------------------|----------|--------------|
| ROUTE US 30   | DESCR          | IPTION      | <b>V</b> _Ov | er Unn  | amed Creek 1/4 Mile W. of Wolf R                     | oad L    | OGG         | ED BY               | Adam     | Glin         |
| SECTION   |                | LOCAT       | TION _       | Frank   | fort Township, SEC. 19, TWP. T35N                    | , RNG, I | R12E        | . 3 <sup>rd</sup> P | M        |              |
| COUNTY Will DRILL   | LING ME        | THOD        |              | 3.25-ir | ID HSA, CME 750 HAMMER                               | TYPE     |             | ME A                | utoma    | <u>eti</u> c |
| STRUCT. NO  | D<br>E<br>P    |             | UCS          | M       | Surface Water Elev. 95.20<br>Stream Bed Elev.        | ft<br>ft | DE          | B                   | U        | M            |
| BORING NO. 1-2<br>Station 61' W. of C/L Bridge                        | 1 -            | W<br>S      | Qu           | S       | Groundwater Elev.: First Encounter Do                |          | P<br>T<br>H | W<br>S              | S<br>Qu  | S            |
| Offset 21.00ft North of C/L<br>Ground Surface Elev. 710.73            |                | (/6")       | (tsf)        | (%)     | Upon Completion<br>After Hrs.                        | ft<br>ft | (ft)        | (/6")               | (tsf)    | (%)          |
| Mottled Black and Brown SILTY<br>CLAY LOAM with Trace Fine<br>Gravel  | _              |             |              |         | Very Stiff Gray SILTY CLAY (continued)               | 689.73   | _           | <u>3</u>            | 2.7      | 18.0         |
| 704   | 3.73           |             |              |         | Gray SILT  | 688.73   |             | 7                   | В        | 13.0         |
| Stiff Mottled Black and Green<br>SILTY CLAY with Trace Fine<br>Gravel | _              | 4           | 1,4          | 27.0    | Stiff Gray CLAYEY SILT with<br>Trace Fine Gravel     |          | _           | 2                   | 1.0      | 15.0         |
|   |                | 4_          | В.           | 27.0    |  |          | _           | 5                   | 1.9<br>B | 15.0         |
| 705.7<br>Grades to Mottled Green, Gray                                | 5.73 <u></u> 5 | 2           |              |         | Grades to Little Fine Gravel                         | 685.73   | -25         | 2                   |          |              |
| and Orange  |                | 3 2         | 1.2<br>B     | 24.0    |  |          | $\dashv$    | 3<br>5              | 0.8<br>B | 16.0         |
| 70:<br>Very Soft Slicky Damp Mottled<br>Brown and Gray SILTY CLAY     | 3.73           | o           |              |         |  |          | $\exists$   |                     |          |              |
|   |                | 0           | 0.1<br>B     | 34.0    |  | 682.73   | ᅴ           | 2<br>3<br>4         | 1.4<br>B | 16.0         |
| 70:<br>Very Stiff Mottled Brown and Gray<br>SiLTY CLAY                | -10            |             |              |         | Very Stiff Gray SILTY CLAY with<br>Trace Fine Grayel | 681.23   | -30         |                     |          |              |
| SILTI OLAT  |                | 3<br>3<br>3 | 2.3<br>B     | 17.0    | Frace Fine Graver                                    |          |             | 4<br>5<br>7         | 2.3<br>S | 16.0         |
| Loose Mottled Brown and Gray<br>SILTY LOAM                            | 3.73           |             |              |         |  | ,        |             |                     |          |              |
| OIL! LOAW   |                | 4 6         |              | 20.0    |  |          |             |                     |          |              |
| 696<br>Stiff Gray SILTY CLAY LOAM with<br>Trace Fine Gravel           | -15            | 3           |              |         | Grades to Little Fine Gravel                         | 675.73   | -35         | 5                   |          |              |
|   |                | 4           | 1.9<br>B     | 13.0    | Grades to Little 1 the Gravet                        |          |             | 6<br>8              | 1.4<br>B | 13.0         |
| Very Stiff Gray SILTY CLAY  | 1.73           |             |              |         |  |          | _           |                     |          |              |
|   |                | 3<br>4<br>5 | 2.1          | 16.0    |  | 672.23   | _           |                     |          |              |

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetro The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

| Illinois Der<br>of Transpo                               | rtati    | on       |               |          | SC       | OIL BORING LOG  |          |                     |          |       |
|--|----------|----------|---------------|----------|----------|---|----------|---------------------|----------|-------|
| Division of Highways<br>ILLINOIS DEPARTMENT OF           | TRANSPOR | TATION   | N             |          |          |   |          | Date                | 2/       | 1/00  |
|  |          |          |               |          |          | amed Creek 1/4 Mile W. of Wolf Road L                 |          |                     |          | Glins |
| SECTION  |          | L        | OCAT          | TON _    | Frankl   | fort Township, SEC. 19, TWP. T35N, RNG.               | R12E     | , 3 <sup>rd</sup> P | M        |       |
| COUNTY Will D  | RILLING  | S ME     | THOD          |          | 3.25-ir  | ID HSA, CME 750 HAMMER TYPE                           |          | OME A               | utoma    | tic   |
| STRUCT. NO.  |          | D        | В             | Ū        | M        | Surface Water Elev. 95.20 ft                          | D        | В                   | U        | М     |
| Station  |          | E        | L             | C        | 0        | Stream Bed Elev ft                                    | E        | L                   | C<br>S   | 0     |
| BORING NO. 1-2   |          | T        | W             |          | s        | Groundwater Elev.:                                    | T        | W                   |          | S     |
| Station 61' W. of C/L Bridg<br>Offset 21,00ft North of C | <u>/</u> | н        | S             | Qu       | T        | First Encounter Dry ft Upon Completion ft             | Н        | S                   | Qu       | Т     |
| Ground Surface Elev. 710.73                              |          | (ft)     | (/6")         | (tsf)    | (%)      | After Hrs ft  | (ft)     | (/6")               | (tsf)    | (%)   |
| Stiff Gray CLAYEY SILT                                   |          |          | 3             |          |          | Very Stiff Dark Gray SILTY CLAY                       |          | 8                   |          |       |
| (continued)  |          |          | <b>4</b><br>5 | 1.0<br>B | 14.0     | with Little Fine Gravel (continued)                   |          | 6                   | 2.5<br>B | 17.0  |
|  |          | -        |               | -        |          |   | +        | 0                   | В        |       |
|  |          |          |               |          | l        |   |          |                     |          |       |
|  |          |          |               |          |          |   |          |                     |          |       |
|  |          | -        |               |          |          | Medium Dense Gray SILT with                           |          |                     |          |       |
|  |          |          |               |          |          | Little Fine White Gravel                              |          |                     |          |       |
|  |          | -45      | 2             |          | <u> </u> |   | -65      | _                   |          |       |
|  |          | -        | 4             | 1.0      | 12.0     |   | $\dashv$ | 5<br>8              |          | 11.0  |
|  |          |          | 5             | В        | ,        |   |          | 8 /                 |          | 11.0  |
|  |          |          |               |          |          | •   |          |                     |          |       |
|  |          | -        |               |          |          |   | _        |                     |          |       |
|  |          |          |               |          |          | 642.23  |          |                     |          |       |
|  |          | $\Box$   |               |          |          | Gray SAND and GRAVEL,<br>Started Washing at 70.0 feet |          | .                   |          |       |
|  | 660.73   | 50       |               |          |          | Cantou Washing at 10.0 leat                           | _        |                     |          |       |
| Grades to Dark Gray with Little                          | 000.73   | -50      | 5             |          |          | 640.23  | -70      | 19                  |          |       |
| Fine Gravel  |          | $\Box$   | 8             | 1.7      | 12.0     | Dolomite. Probable Bedrock                            | _        | 3/100               | =        | 9.0   |
|  |          | -        | 8             | В        |          | Wash at 70.0 feet.                                    | 4        |                     | 1        |       |
|  |          |          |               |          |          | End of Boring   | -        |                     |          |       |
|  |          |          |               |          |          |   |          |                     |          |       |
| Medium Dense Gray SILTY                                  | 657.23   | . 4      | ļ             |          |          |   |          |                     |          |       |
| LOAM with Some Fine Gray                                 |          | -        |               |          |          |   | $\dashv$ |                     | }        |       |
| SAND and Little Fine Gravel                              |          | -55      | _             |          |          |   | -75      |                     |          |       |
|  |          | _        | 7             |          | 16.0     |   |          | 1                   |          |       |
|  |          | $\dashv$ | 13            |          | 10.0     |   |          |                     |          |       |
|  |          |          | 1             |          |          |   | -        | 1                   |          |       |
|  |          |          |               |          |          |   |          | 1                   |          |       |
|  | aro e-   |          | i             |          |          |   |          | 1                   |          |       |
| Very Stiff Dark Gray SILTY CLAY                          | 652.23   |          |               |          |          |   | -        |                     | ł        |       |
| with Little Fine Gravel                                  |          |          |               |          |          |   | $\dashv$ | ļ                   |          |       |

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NAME

BBS, from 137 (Rev. 8-99)

DESIGNED CHECKED CDSDRAWN BEM CHECKED

U.S.30 OVER STREAM 0.3 MILES W.OF WOLF RD. BORING LOG

U.S. ROUTE 30 (LINCOLN HIGHWAY) F.A.P.353 (U.S.30) SECTION (12 & 13) T-1 STATION 293+05.00 WILL COUNTY STRUCTURE NUMBER 099-4661

BRIGHTON ENGINEERING COMPANY E CONSULTING ENGINEERS